

Importing Cucumber Tests - REST

Importing Cucumber Tests

The following endpoint is provided to import a Cucumber .feature file or a zip file containing multiple .feature files. The files in the zip file may be in folders /subfolders.

| | |
|--------------------------|---|
| Cucumber ".feature" file | /rest/raven/1.0/import/feature |
|--------------------------|---|

Each .feature file will be processed as follows:

- The "Scenario" or "Scenario Outlines" should be imported to Tests, of the Test Type "Cucumber", with the respective Cucumber Type filled out.
- A Test will be uniquely identified by the name of the test case that follows the "Scenario/Scenario Outline" sections. Therefore, if a test is found with the same name, then it will be updated; otherwise, a new Test will be created in Jira.

The mapping from the Scenario/Scenario Outline present in the .feature files to the Test issues in Jira would be as follows:

| Scenario/Scenario Outline | Test in JIRA |
|---------------------------------------|------------------|
| name of the Scenario/Scenario Outline | "Summary" field |
| steps | "Scenario" field |
| tags of the Scenario/Scenario Outline | labels |

The "Feature" section is not imported, since the feature itself should exist previously as a Jira requirement issue (e.g., story).

The exception is the tags before the "Feature: " section; if a requirement issue is found for the specified key, then a "Tests" link is created between the Test and the requirement issue.

If the Cucumber feature has a background, a Pre-Condition issue will be created containing the information provided in that background. If the background has no name, then the Summary of the Pre-Condition is going to be a string containing the keys of the Tests of that Cucumber feature.

Below is an example of a .feature file containing a Scenario Outline:

@REQ_CALC-889

Feature: As a user, I can calculate the sum of 2 numbers

```
@UI @core
Scenario Outline: Cucumber Test As a user, I can calculate the sum of 2 numbers
  Given I have entered <input_1> into the calculator
  And I have entered <input_2> into the calculator
  When I press <button>
  Then the result should be <output> on the screen
```

Examples:

| input_1 | input_2 | button | output |
|---------|---------|--------|--------|
| 20 | 30 | add | 50 |
| 2 | 5 | add | 7 |
| 0 | 40 | add | 40 |
| 4 | 50 | add | 54 |

Request

QUERY PARAMETERS

| parameter | type | description |
|-------------------|---------------|--|
| <i>projectKey</i> | <i>String</i> | key of the project where the tests and pre-conditions are going to be created. |

multipart/form-data:

"file" : a *MultipartFileParam* containing a **".feature"** file or a **ZIP file** to import.



Example Request

```
curl -H "Content-Type: multipart/form-data" -u admin:admin -F "file=@1.feature" http://yourserver/rest/raven/1.0/import/feature?projectKey=DEMO
```

```
curl -H "Content-Type: multipart/form-data" -u admin:admin -F "file=@features.zip" http://yourserver/rest/raven/1.0/import/feature?projectKey=DEMO
```

Responses

200 OK : **application/octet-stream** : Successful. The cucumber features were successfully imported to Jira.

Example Output

```
[
  {
    "id": "14400", "key": "DEV-915", "self": "http://localhost:8727/rest/api/2/issue/14400"
  }
]
```

400 BAD_REQUEST : **text/plain** : Returns the error.

401 UNAUTHORIZED : **text/plain** : The Xray license is not valid.

500 INTERNAL_SERVER_ERROR : **text/plain** : An internal error occurred when generating the *feature* file(s).